

LATCHING MEDICAL PATIENT PARAMETER SAFETY CONNECTOR AND METHOD

## ABSTRACT OF THE DISCLOSURE

The present invention is directed to a socket connector to couple electrical plugs to sockets mounted on circuit boards or cable ends. The socket connector includes a socket that receives an electrical plug and a socket silo. The silo may contain a beveled outer surface that receives a beveled face on the plug. The plug is held in the socket by latches disposed on the plug. The latches include pawls that fit within pawl receiving chambers in the socket and couple the plug to the socket. The latch and hinged section may rotate into a recessed section on the plug from an extended to a retracted position. A locking portion on the pawl and the receiving chamber may be angled to develop a desired pullout force